



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D3405-043
Job Sheet 213860



Part No: D3405-043

Job Qty: 10 pcs

Part Name: Ground Handling Lug



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/8/20

Job Tracking No:

Due Date: 10/23/20

Created By: Jennifer Renwick

Type: Stock

Description: SIOP

Note: DWG REV B IPP A 05.09.01 New issue KJ/JLM IPP B 09.01.28 Rev b dwg EC verified by: DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Lead Time	Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier			
100	Waterjet - Flow - 1	10 pcs		10/22/20	0.17	0.90	Waterjet - Flow			dx 20/10/21
							Waterjet - Omax			
110	QC 2	10 pcs		10/22/20	0.00	0.00	QC 2 - 1			dx 20/10/21
							QC 2 - 12			
							QC 2 - 14			
							QC 2 - 17			
							QC 2 - 19			
							QC 2 - 2			
							QC 2 - 20			
							QC 2 - 22			
							QC 2 - 23			
							QC 2 - 25			
							QC 2 - 32			
							QC 2 - 33			
							QC 2 - 35			
							QC 2 - 39			
							QC 2 - 4			
							QC 2 - 40			
							QC 2 - 44			
							QC 2 - 45			
							QC 2 - 48			
							QC 2 - 49			
							QC 2 - 50			
							QC 2 - 51			
							QC 2 - 52			
							QC 2 - 57			
							QC 2 - 62			
							QC 2 - 63			
							QC 2 - 8			
							QC 2 - 66			
							QC 2 - 64			



Container No: S307722



Part: D3405 - 043
Job No: 213860
Serial No/Batch: S307722

Revision:
Inspector:
Exp Date:
Instructions: Various STC's

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 813 632 - 5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 11/03/20



Container No: S307722



Part: D3405 - 043

Job No: 213860

Serial No/Batch: S307722

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.
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CANADA
TEL: 1 813 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 11/03/20

Plex 10/8/20 10:04 AM Dart.Renwick.Jennife

120	QC 8	10 pcs	10/22/20	0.00 0.00	QC 2 - 65	
					QC 2 - 5	
					QC 2 - 71	
					QC 2 - 73	
					QC 2 - 69	
					QC 2 - 76	
					QC 2 - 86	
					QC 2 - 83	
					QC 8 - 12	
					QC 8 - 14	
					QC 8 - 17	
					QC 8 - 20	
					QC 8 - 25	
					QC 8 - 3	
					QC 8 - 32	
					QC 8 - 33	
					QC 8 - 35	
					QC 8 - 39	
					QC 8 - 4	
					QC 8 - 44	
					QC 8 - 45	
					QC 8 - 49	
					QC 8 - 58	
					QC 8 - 8	
					QC 8 - 9	
					QC 8 - 68	
					QC 8 - 67	
					QC 8 - 1 (A)	
					QC 8 - 47	
					QC 8 - 40	
					QC 8 - 52	
					QC 8 - 23	
					QC 8 - 57	
					QC 8 - 76	
					QC 8 - 61	
					QC 8 - 66	
					QC 8 - 73	
					QC 8 - 82	
130	Small Fab - Brake NC - B4B	10 pcs	10/22/20	0.25 0.73	Small Fab - Brake - 1 - B4B	
					Small Fab - Brake - 2 - B4B	
					Small Fab - Brake - 3 - B4B	
140	QC 5	10 pcs	10/22/20	0.00 0.00	QC 5 - 10	
					QC 5 - 12	
					QC 5 - 17	
					QC 5 - 18	
					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	
					QC 5 - 3	
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	
					QC 5 - 9	
					QC 5 - 50	
					QC 5 - 30	

DAS

OCT 22 2020

40

9-89

OCT 27 2020

DAS

50

0-89

OCT 28 2020

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9-89

				QC 5 - 40	
				QC 5 - 61	
				QC 5 - 81	
				QC 5 - 82	
150	Large Fab - Welded Assy-2-B4B	10 pcs	10/22/20	0.00 2.97	Large Fab - 1 - B4B
					Large Fab - 10 - B4B
					Large Fab - 2 - B4B
					Large Fab - 3 - B4B
					Large Fab - 4 - B4B
					Large Fab - 5 - B4B
					Large Fab - 6 - B4B
					Large Fab - 7 - B4B
					Large Fab - 8 - B4B
					Large Fab - 9 - B4B
					Large Fab - 11 - B4B (Various)
					Large Fab - 12 - B4B
160	QC 9	10 pcs	10/22/20	0.00 0.00	QC 9 - 10
					QC 9 - 18
					QC 9 - 24
					QC 9 - 43
					QC 9 - 50
					QC 9 - 9
170	QC 5	10 pcs	10/22/20	0.00 0.00	QC 5 - 10
					QC 5 - 12
					QC 5 - 17
					QC 5 - 18
					QC 5 - 19
					QC 5 - 22
					QC 5 - 24
					QC 5 - 3
					QC 5 - 43
					QC 5 - 49
					QC 5 - 51
					QC 5 - 58
					QC 5 - 68
					QC 5 - 9
					QC 5 - 50
					QC 5 - 30
					QC 5 - 40
					QC 5 - 61
					QC 5 - 81
					QC 5 - 82
180	Powdercoat - 2 White GI(S)-B4B	10 pcs	10/23/20	0.00 0.27	Powdercoat - 1 - B4B
					Powdercoat - 2 - B4B
					Powdercoat - 3 - B4B
					Powdercoat - 4 - B4B
					Powdercoat - 5 - B4B
					Powdercoat - 6 - B4B
					Powdercoat - 7 - B4B
					Powdercoat - 8 - B4B
					Powdercoat - 9 - B4B
					Powdercoat - 10 - B4B
190	QC 3	10 pcs	10/23/20	0.00 0.00	QC 3 - 10
					QC 3 - 13
					QC 3 - 15
					QC 3 - 17
					QC 3 - 18
					QC 3 - 2

MV Nov 3/20

DAS
50 11-4-20
9-89DAS
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20-11-4 33 9-89

M 254469

START: 11:10

O.V.T. 100°

FINISH: 12:10

				QC 3 - 28	
				QC 3 - 3	
				QC 3 - 30	
				QC 3 - 34	
				QC 3 - 36	
				QC 3 - 41	
				QC 3 - 51	
				QC 3 - 58	
				QC 3 - 59	
				QC 3 - 68	
				QC 3 - 9	
				QC 3 - 40	
				QC 3 - 19	
				QC 3 - 43	
				QC 3 - 24	
				QC 3 - 61	
				QC 3 - 81	
				QC 3 - 82	
				QC 3 - 87	
				QC 3 - 47	
200	Packaging 3-1 - Stock - B4B	10 15 pcs 0.2	10/23/20	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B ✓
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B
					Packaging 3 - 19 - B4B
					Packaging 3 - 20 - B4B
					Packaging 3 - 21 - B4B
					Packaging 3 - 22 - B4B
					Packaging 3 - 23 - B4B
					Packaging 3 - 24 - B4B
					Packaging 3 - 25 - B4B
					Packaging 3 - 26 - B4B
					Packaging 3 - 27 - B4B
					Packaging 3 - 28 - B4B
					Packaging 3 - 29 - B4B
					Packaging 3 - 30 - B4B
					Packaging 3 - 31 - B4B
					Packaging 3 - 32 - B4B
					Packaging 3 - 33 - B4B
					Packaging 3 - 34 - B4B
					Packaging 3 - 35 - B4B
					Packaging 3 - 36 - B4B
					Packaging 3 - 37 - B4B
210	QC 21 - SA	10 pcs	10/23/20	0.00 0.00	QC 21 - SA - 21
					QC 21 - SA - 70

NOV - 6 2020
ST529
DAS 80
9-89

DAS 21
9-89
NOV 06 2020

QC 21 - SA - 9

QC 21 - SA - 77

QC 21 - SA - 28

Part Op **100** - 1-Cut as per Dwg D3405 Dwg Rev: B Prog Rev: B 2-Debur if necessaryDescriptions: **110** - (QC2- Inspect parts off machine FAI/FAIB)**120** - (QC8- Inspect parts - second check)**130** - 1-Debur 2-Form using DT8204 as per Dwg D3405 3- use DT9681 to check if correct forming**140** - (QC5- Inspect part completeness to step on W/O)**150** - Weld as per Dwg D3405 use DT8484 Identify as D3405-043**160** - (QC9- Inspect visual per QSI004- Fusion Welds)**170** - (QC5- Inspect part completeness to step on W/O)**180** - (White Gloss(Ref:4.3.5.2) per QSI005 4.3-Steel) START TIME: _____ OVEN TEMPERATURE: _____

FINISH TIME: _____

190 - (QC3- Inspect Part Finish)**200** - (Identify as per dwg & Stock Location: _____)**210** - (QC21- Final Inspection - Work Order Release)**Job BOM**

Part / Item	Component Name	Quantity	Operation	Container
M304S11GA	304/316 0.125 Sheet	1.5400 sf (.154 ea)	100-Waterjet - Flow - 1	
D3404-1	Ground Handling Wheel Lug	10 pcs (1 ea)	150-Large Fab - Welded Assy-2- B4B	5243465 5287976 / 5253655 x4

Job Allocations

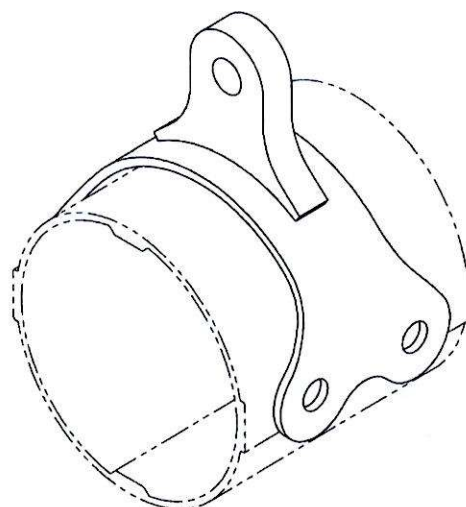
Operation	Component Part	Required	Inventory	Allocated
100-Waterjet - Flow - 1	M304S11GA	2	83	0
150-Large Fab - Welded Assy-2- B4B	D3404-1	10	20	0

Part Specifications

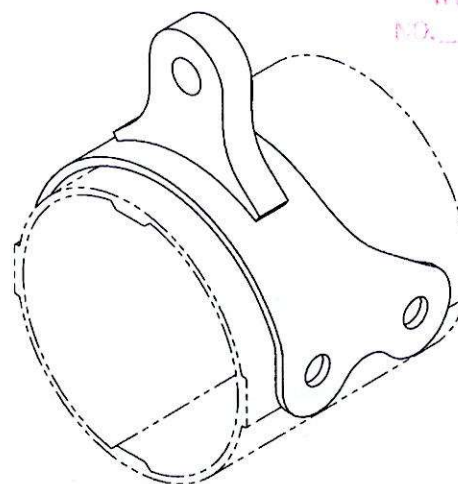
Specifications could not be found.

Plex 10/8/20 10:04 AM Dart.Renwick.Jennifer

ITEM No.	QTY. -041	QTY. -043	PART NUMBER	DESCRIPTION
1	X		D3405-041	LUG ASSEMBLY
2		X	D3405-043	LUG ASSEMBLY
11	1	1	D3404-1	GHW LUG
12	1		D3405-1	GHW BRACKET
13		1	D3405-3	GHW BRACKET



D3405-041 LUG ASSEMBLY
(SKID TUBE SECTION SHOWN
FOR REF ONLY)



D3405-043 LUG ASSEMBLY
(SKID TUBE SECTION SHOWN
FOR REF ONLY)

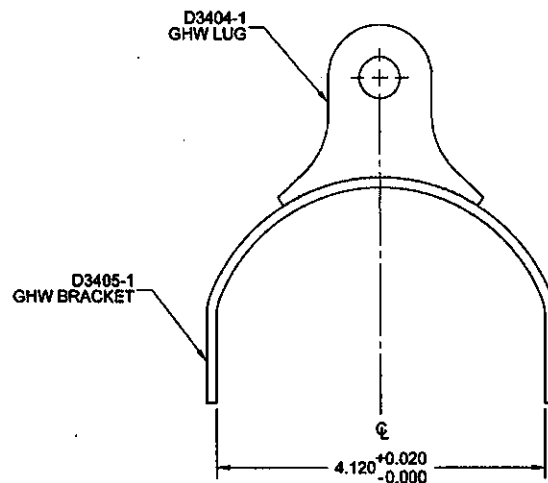
SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 213860

RELEASED
08/12/18 M.P.

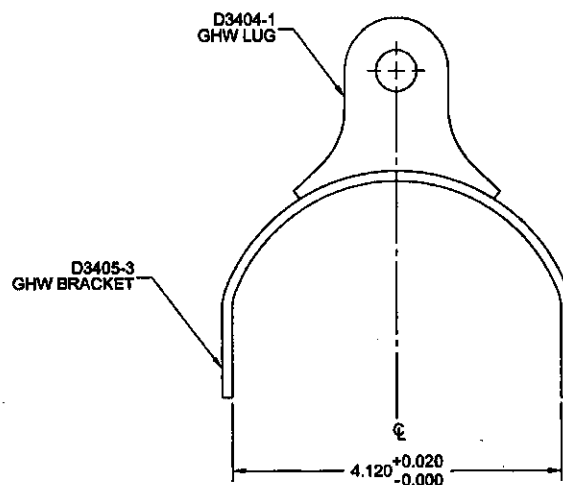
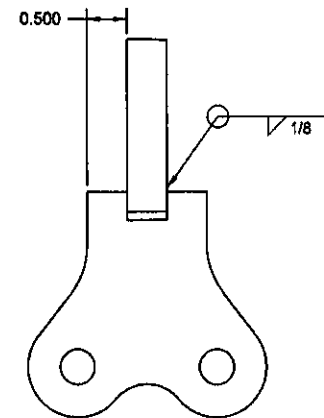
NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT ASSEMBLY WHITE (4.3.5.2) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3405-041" USING FINE POINT PERMANENT INK MARKER
: IDENTIFY WITH DART P/N "D3405-043" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: -041, 0.85 lbs
-043, 0.87 lbs

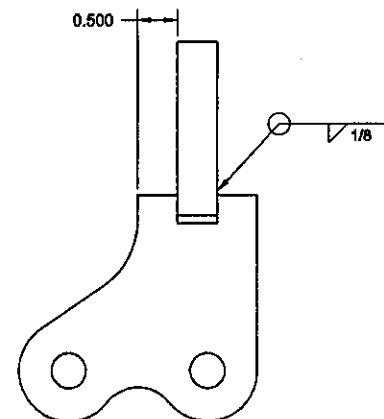
B	DRAWING REDRAWN IN SOLIDWORKS WITH CURRENT STANDARDS AND TRANSFERRED TO "B" SIZE BORDER. FLAT PATTERNS FOR -1 & -3 INCREASED IN LENGTH TO PREVENT FOULING AT INSTL (SEE PAR198). SHEETS 3 & 4 ZONE A6 4.120 DIM WAS 4.100.		AJS	08.09.19
A	NEW ISSUE		PH	05.03.08
REV.	DESCRIPTION		BY	DATE
DESIGN	PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D3405 REV. B SHEET 1 OF 4 TITLE GHW LUG ASSEMBLY SCALE NTS COPYRIGHT © 2005 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS COVENANT THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD		
DRAWN	AJS			
CHECKED				
MFG. APPR.				
APPROVED				
DE APPR.				
DATE	08.09.19			



D3405-041 LUG ASSEMBLY

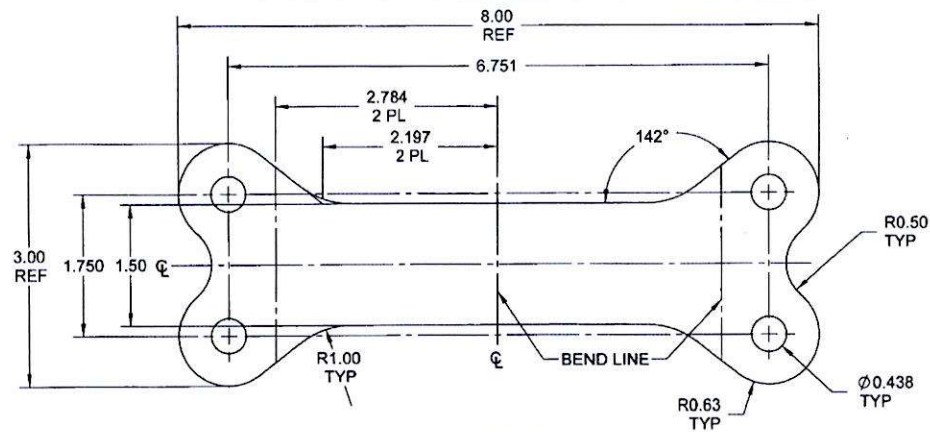


D3405-043 LUG ASSEMBLY

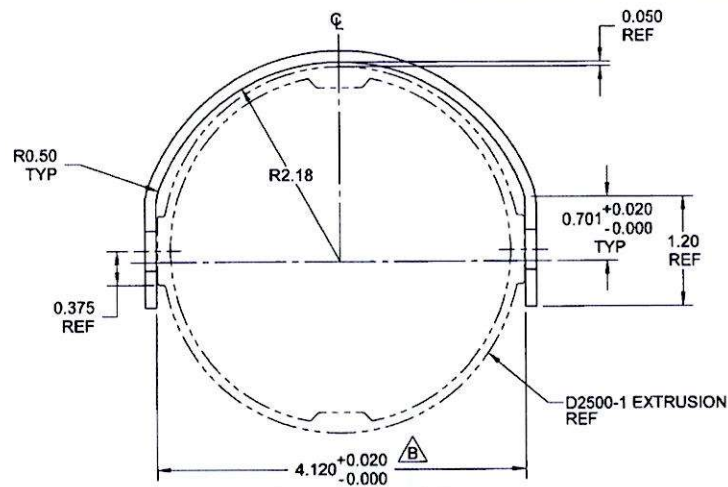


RELEASED
06/12/18 MJP

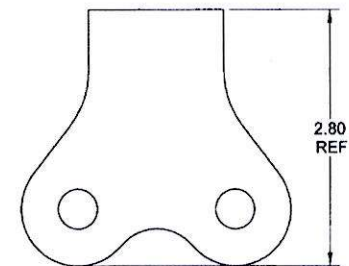
DESIGN	PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO. D3405	REV. B
MFG. APPR.			SHEET 2 OF 4
APPROVED		TITLE	SCALE
DE APPR.		GHW LUG ASSEMBLY	NTS
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D3405-1F GHW BRACKET FLAT PATTERN



D3405-1 GHW BRACKET
(MAKE FROM D3405-1F)



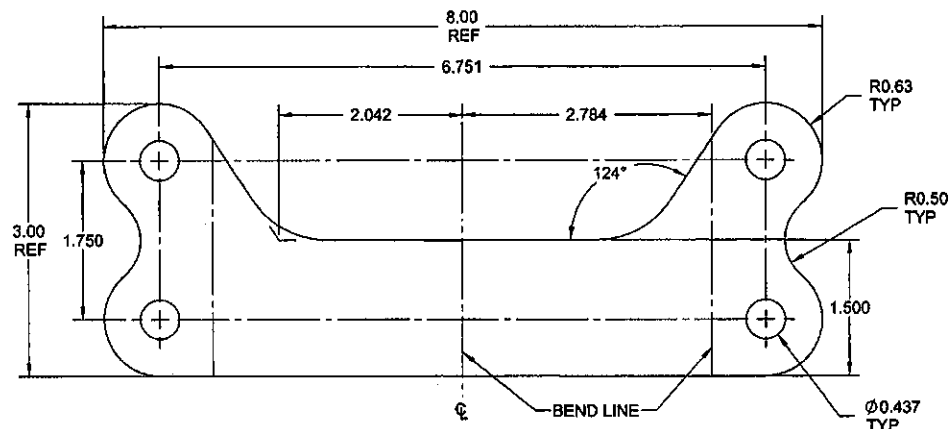
SIDE VIEW FOR REF ONLY

NOTES:

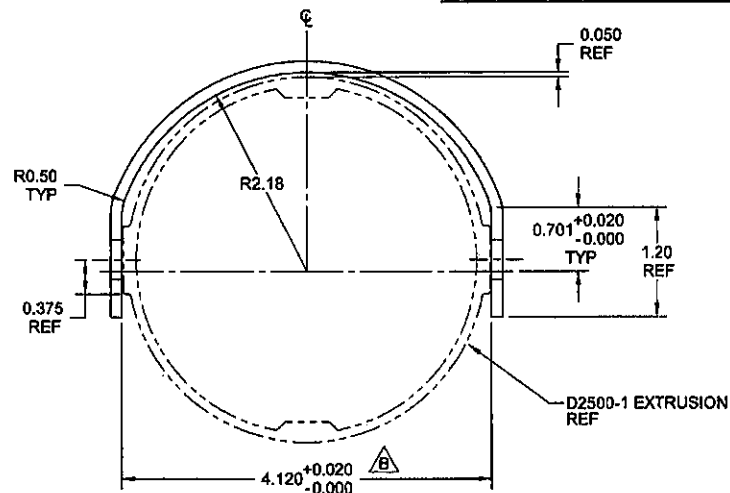
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, 11 GAUGE (0.125 THICK)
PER MIL-S-5059 (ANNEALED) 2B FINISH OR AMS 5513/5524
REF. DART SPEC. M304S11GA
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A

DESIGN	PH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO. D3405	REV. B
MFG. APPR.		SHEET 3 OF 4	
APPROVED		TITLE	SCALE
DE APPR.		GHW LUG ASSEMBLY	NTS
DATE	08.09.19	COPYRIGHT © 2005 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS COVENANT THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

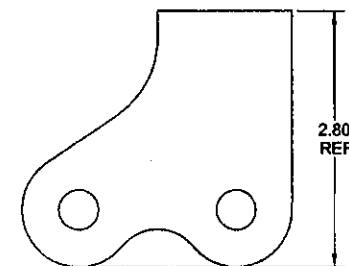
RELEASED
08/09/19



D3405-3F GHW BRACKET FLAT PATTERN



D3405-3 GHW BRACKET
(MAKE FROM D3405-3F)



SIDE VIEW FOR REF ONLY

NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, 11 GAUGE (0.125 THICK)
PER MIL-S-5059 (ANNEALED) 2B FINISH OR AMS 5513/5524
REF. DART SPEC. M304S11GA
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A

RELEASED
08/12/14 NV

DESIGN	PH	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D3405	SHEET 4 OF 4
APPROVED		TITLE	SCALE
DE APPR.		GHW LUG ASSEMBLY	NTS
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Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					



Container No: S307722



Part: D3405 - 043

Job No: 213860

Serial No/Batch: S307722

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.
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Date: 10/21/20